

**FIG. 1**

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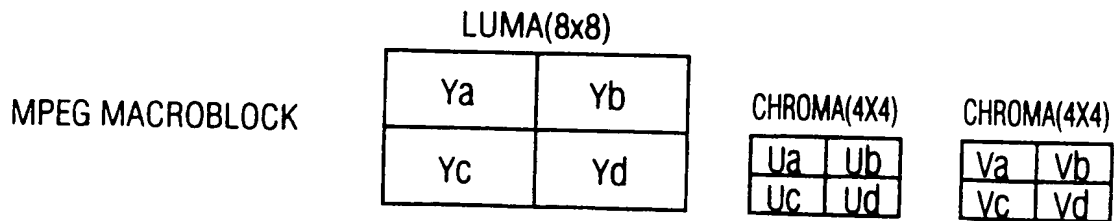


FIG. 2

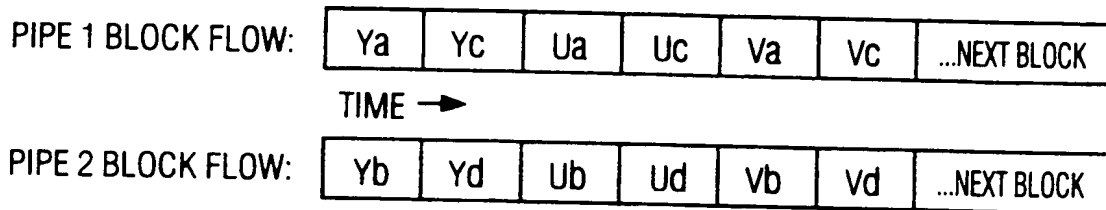


FIG. 3

## U CHROMA BLOCK DATA IN PIPES

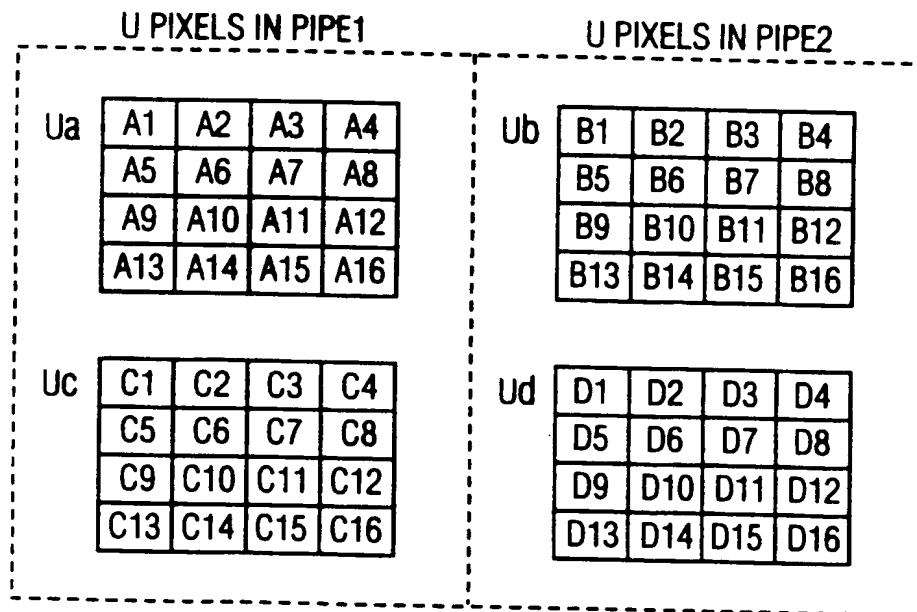


FIG. 4

APPROVED	D.G.WO 98/27741	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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OUTPUT OF PIPE1 & INPUT TO THE COMPRESSION BLOCK 40

A1	C1	A2	C2	A3	C3	A4	C4	A5	C5	A6	C6	A7	C7	A8	C8	A9	C9	A10	C10	A11	C11	A12	C12	A13	C13	A14	C14	A15	C15	A16	C16
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TIME —→

FIG. 5

APPROVED	WO:98/27741	
BY	CLASS	SUBCLASS
CRAFTSMAN		

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OUTPUT FROM COMPRESSION BLOCK 40 ASSOCIATED WITH PIPE1

X	X	a1'	c1'	a2'	X	X	X	c2'	a3'	X	X	X	c3'	X	X	X	a4'	c4'	a5'	c5'	X	X	a6'	c6'	X	X	X	c7'	a7'	X	X	X	a8'	c8'
---	---	-----	-----	-----	---	---	---	-----	-----	---	---	---	-----	---	---	---	-----	-----	-----	-----	---	---	-----	-----	---	---	---	-----	-----	---	---	---	-----	-----

FIG. 6

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BLOCKS OF DATA SENT TO EXTERNAL MEMORY AFTER REMOVING THE INTERLEAVING:

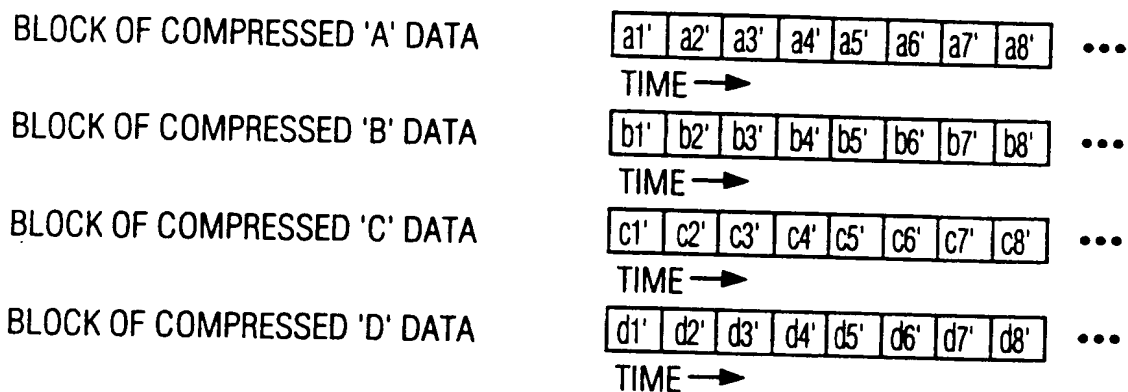


FIG. 7

TWO INTERLEAVED COMPRESSED DATA BLOCKS READY FOR DECOMPRESSING

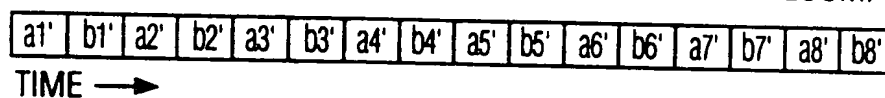


FIG. 8

APPROVED	WO 98/27741	
BY	CLASS	SUBSIDES
DRAFTSMAN		

PCT/US97/22855

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DECOMPRESSION OUTPUT WITH TWO RECOVERED BLOCKS OF DATA WHICH ARE STILL INTERLEAVED.

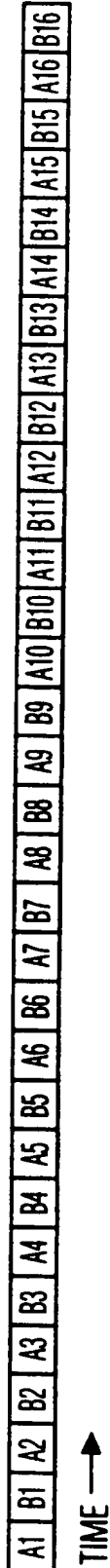


FIG. 9

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DISPLAYED ORDER OF PIXELS AFTER FURTHER PROCESSING IN THE DISPLAY BLOCK.

TIME →

ROW (n)	A1	A2	A3	A4	B1	B2	B3	B4	---
ROW (n+1)	A5	A6	A7	A8	B5	B6	B7	B8	---
ROW (n+2)	A9	A10	A11	A12	B9	B10	B11	B12	---
ROW (n+3)	A13	A14	A15	A16	B13	B14	B15	B16	---

FIG. 10

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OUTPUT OF PIPE1 & INPUT TO FILTER 36

A1	C1	A2	C2	A3	C3	A4	C4	A5	C5	A6	C6	A7	C7	A8	C8	A9	C9	A10	C10	A11	C11	A12	C12	A13	C13	A14	C14	A15	C15	A16	C16
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

TIME →

FIG. 11



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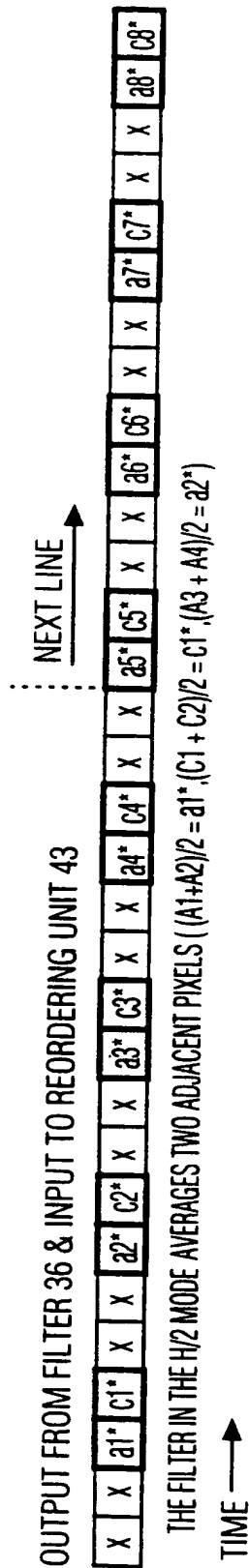


FIG. 12

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OUTPUT FROM PIPE2 & INPUT TO FILTER 38

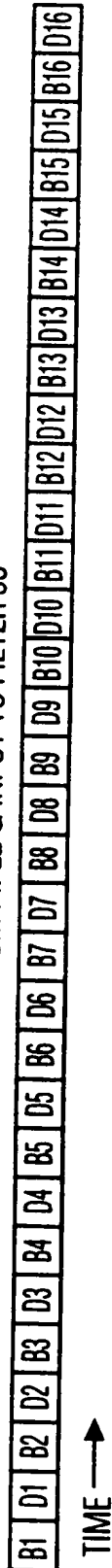


FIG. 13

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OUTPUT FROM FILTER 38 & INPUT TO REORDERING UNIT 43



TIME →

FIG. 14

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PIXEL OUTPUT AFTER DECIMATION AND RE-ORDERING (COMPRESSOR INPUT)

a1*	c1*	a2*	c2*	a3*	c3*	a4*	c4*	b1*	d1*	b2*	d2*	b3*	d3*	b4*	d4*	a5*	c5*	a6*	c6*	a7*	c7*	a8*	c8*	b5*	d5*	b6*	d6*	b7*	d7*	b8*	d8*
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

TIME →

FIG. 15

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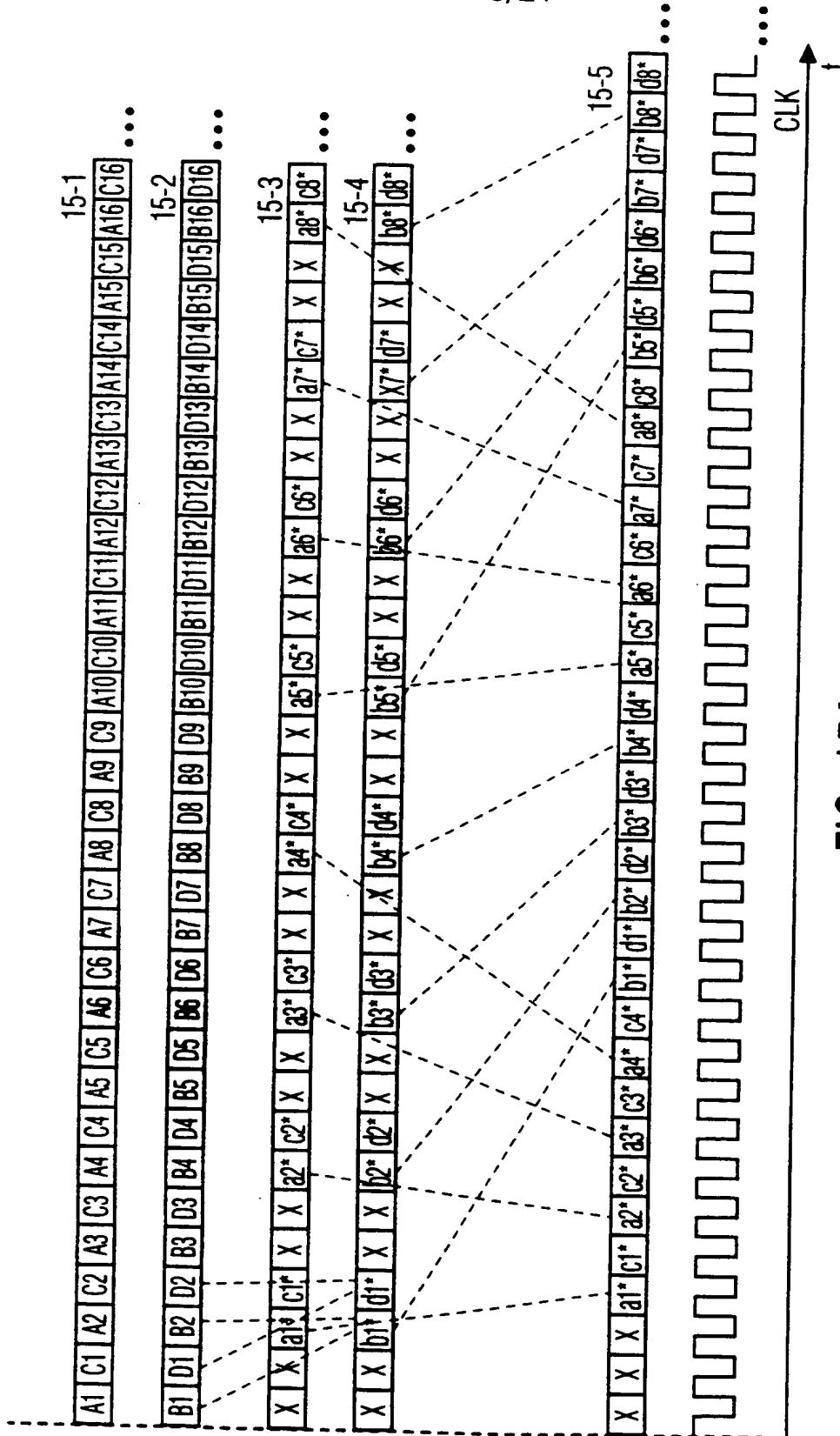


FIG. 15A

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OUTPUT FROM COMPRESSION BLOCK 40 ASSOCIATED WITH PIPE1

x	x	m1'	n1'	m2'	x	x	n2'	m3'	x	x	n3'	x	x	m4'	n4'	m5'	n5'	x	x	m6'	n6'	x	x	m7'	n7'	x	x	m8'	n8'
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FIG. 16

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COMPRESSED DATA SENT TO THE EXTERNAL MEMORY

BLOCKS FROM A AND B

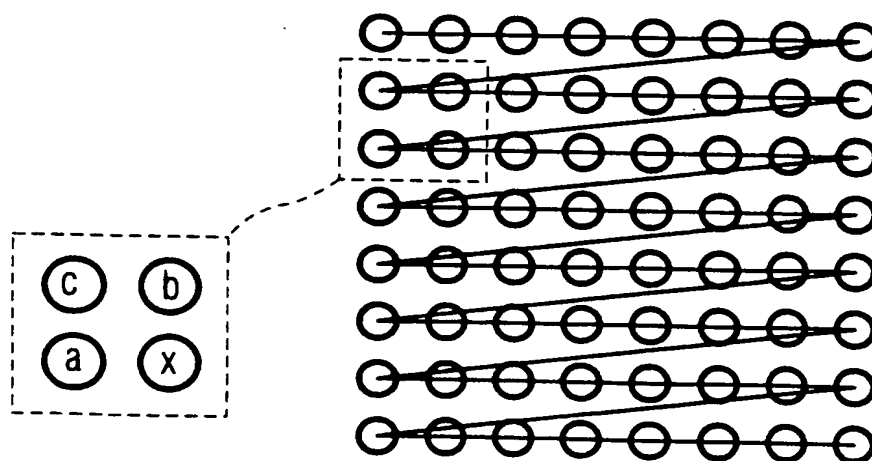
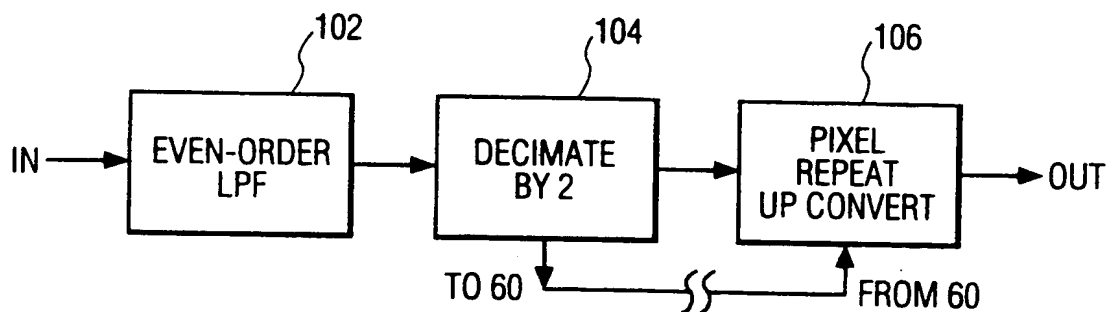
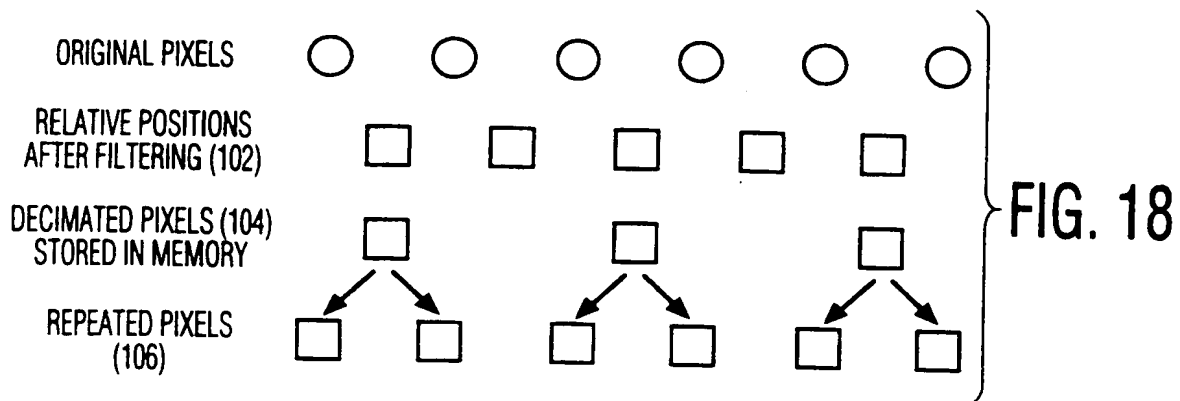
m1'	m2'	m3'	m4'	m5'	m6'	m7'	m8'
-----	-----	-----	-----	-----	-----	-----	-----

BLOCKS FROM C AND D

n1'	n2'	n3'	n4'	n5'	n6'	n7'	n8'
-----	-----	-----	-----	-----	-----	-----	-----

FIG. 17

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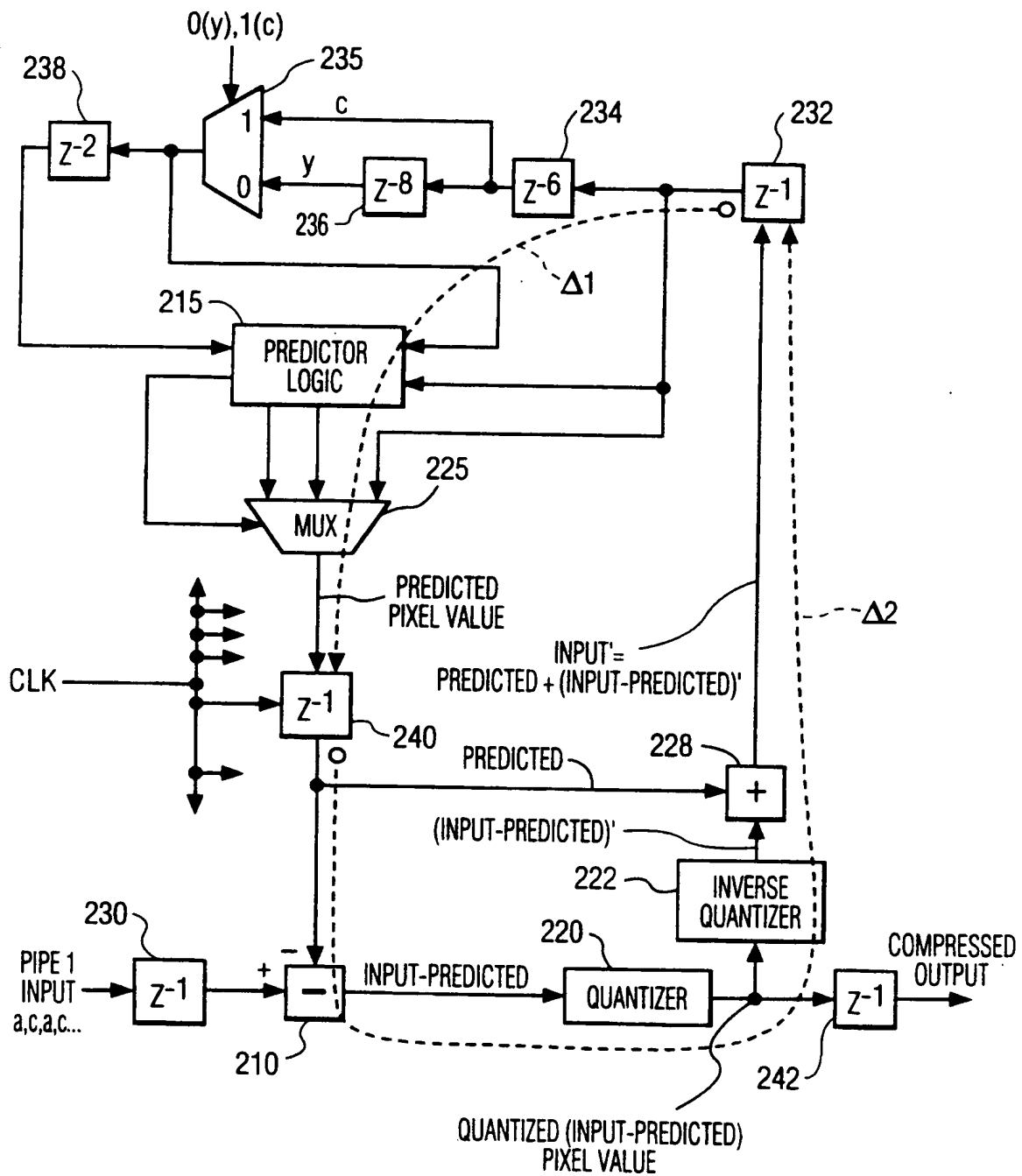


FIG. 20

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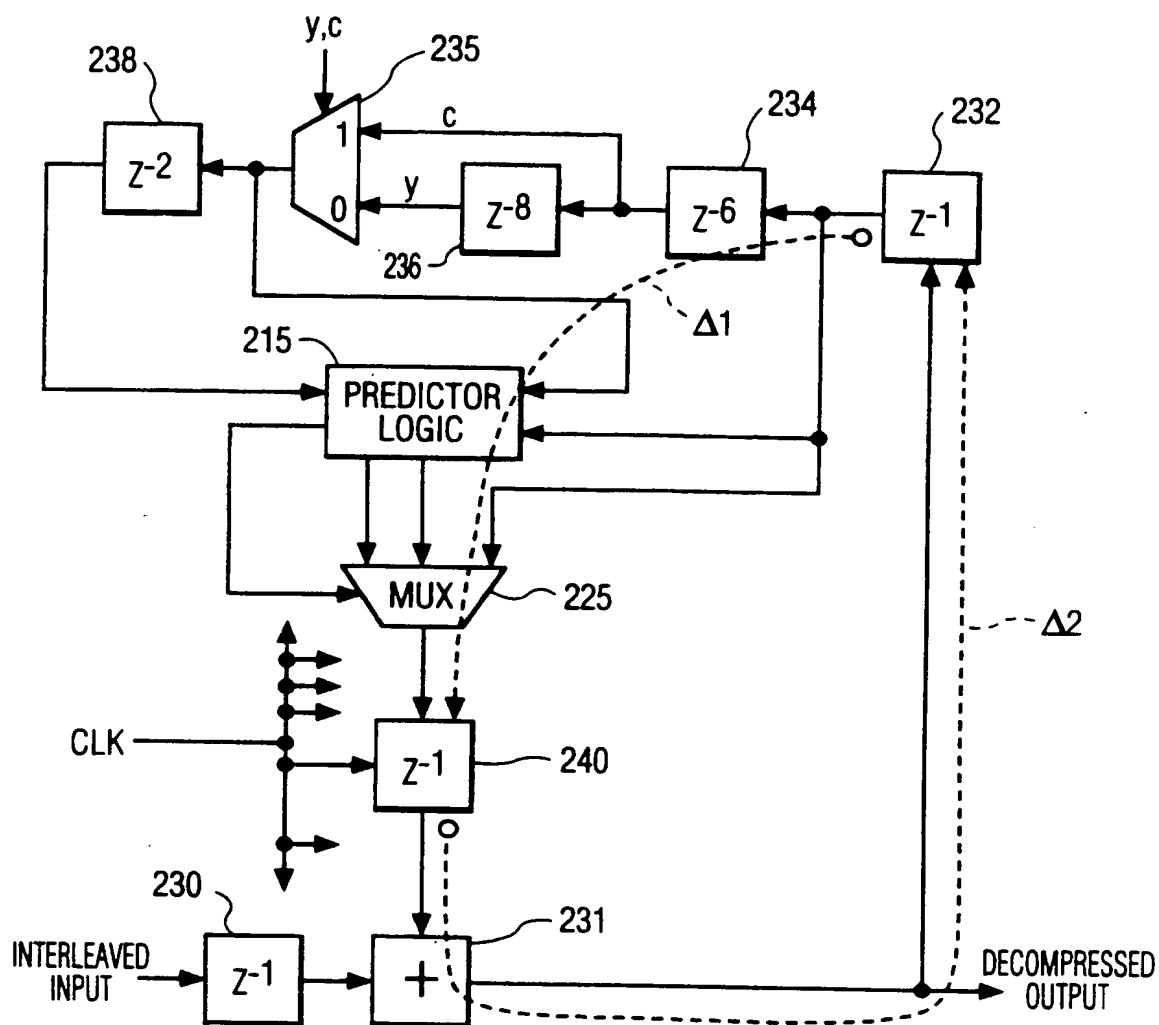
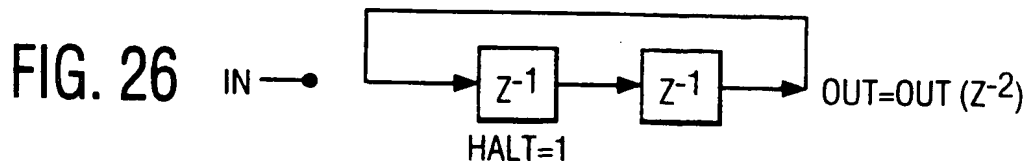
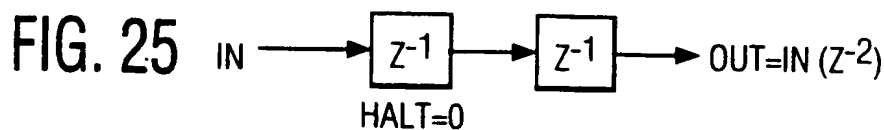
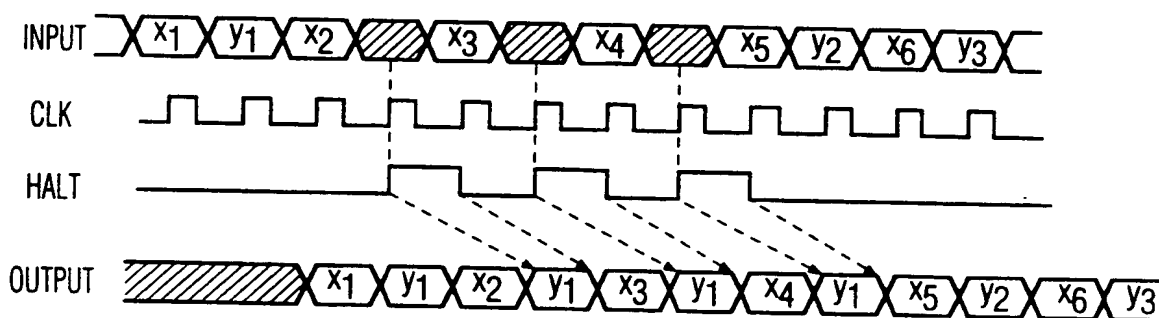
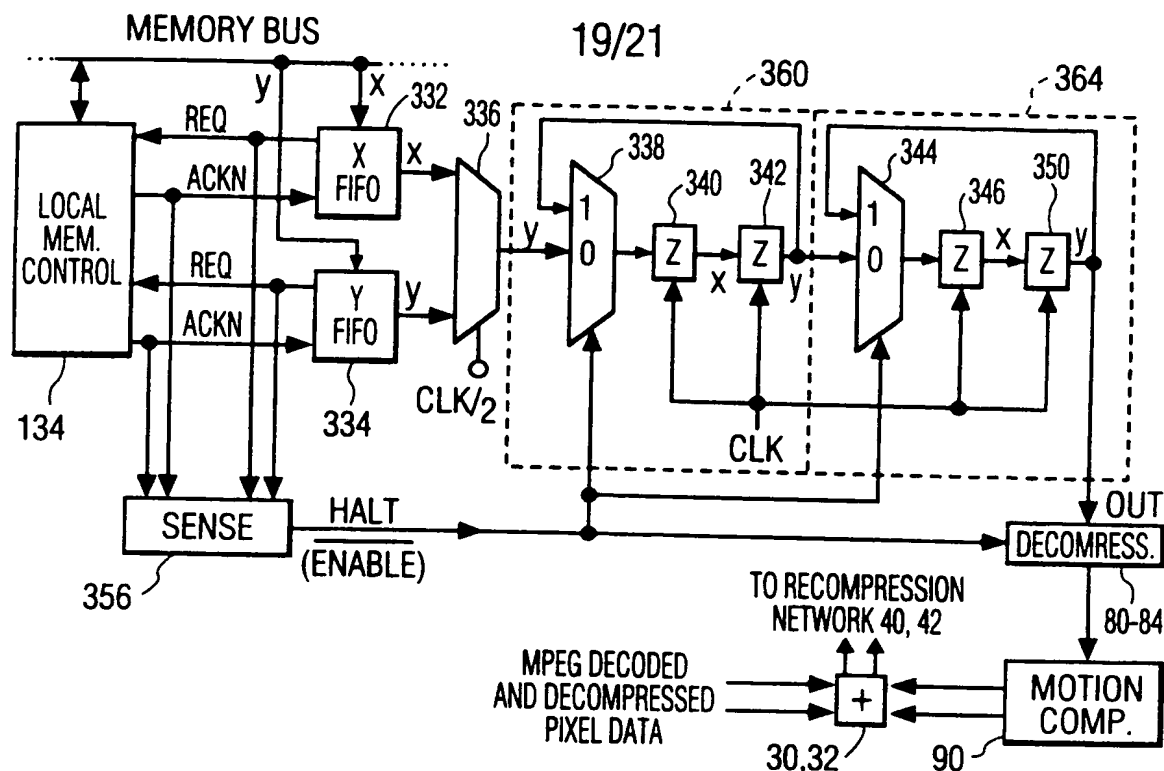


FIG. 21



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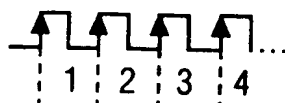
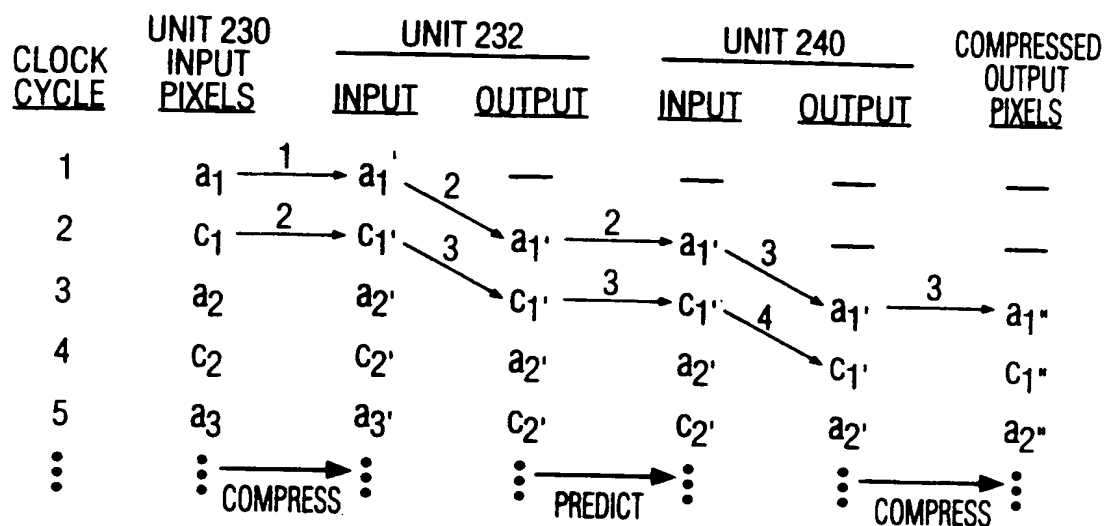


FIG. 27

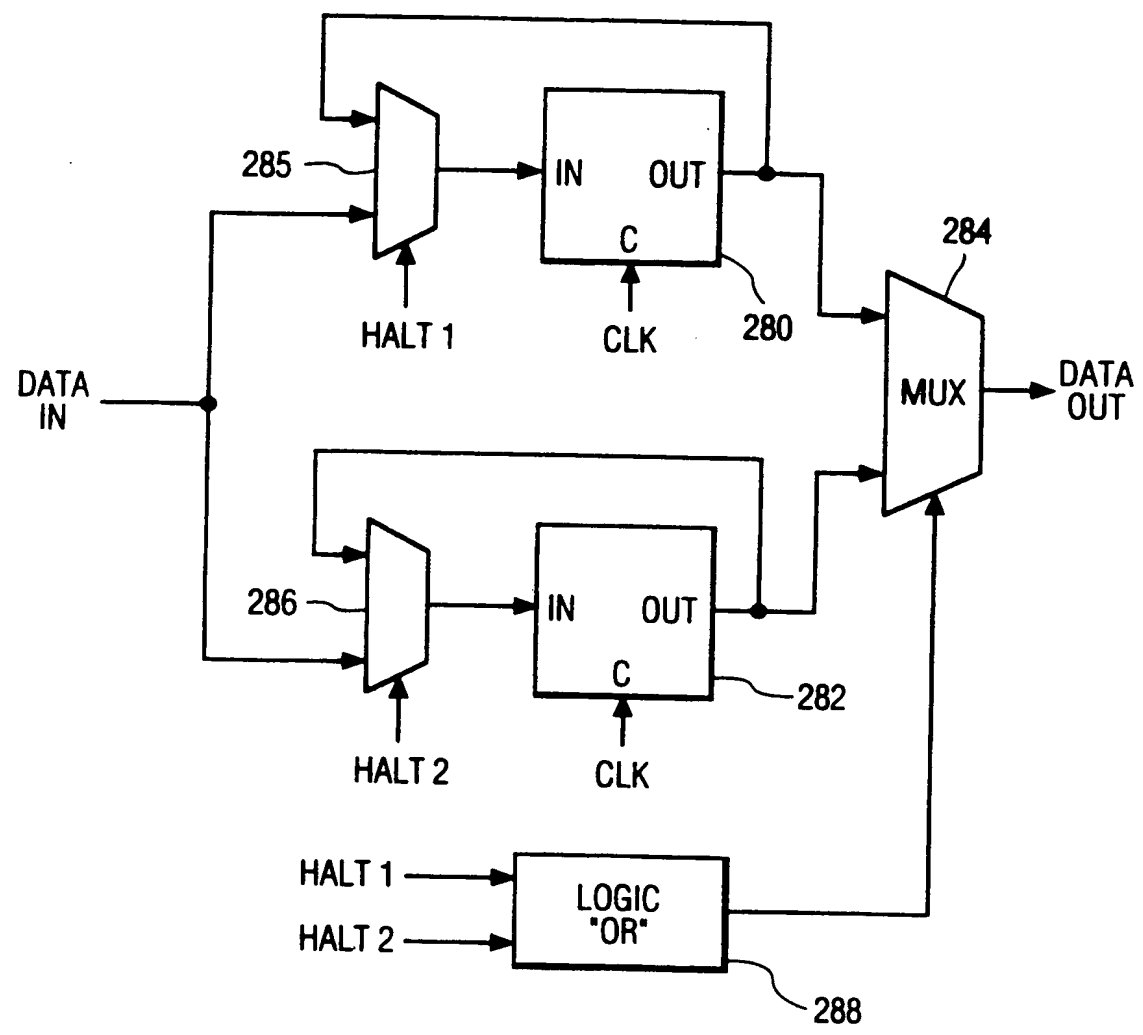


FIG. 28